

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Yan Hui, et al.

Serial No.: 10/077,084

Examiner: TBD

Filed: 02/15/2002

For: METHOD AND APPARATUS FOR PROVIDING TRANSMIT DIVERSITY WITH ADAPTIVE BASIS



Docket No: TI-33510

Conf. No: 3476

Art Unit: 2661

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**LETTER TO OFFICIAL DRAFTSPERSON**

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Assistant Commissioner For Patents  
Washington, DC 20231

Attention: Official Draftsperson

**MAILING CERTIFICATE UNDER 37 C.F.R. §1.8(a)**  
I hereby certify that the above correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on 4-29-02.

Ann Trent  
Ann Trent

Dear Sir:

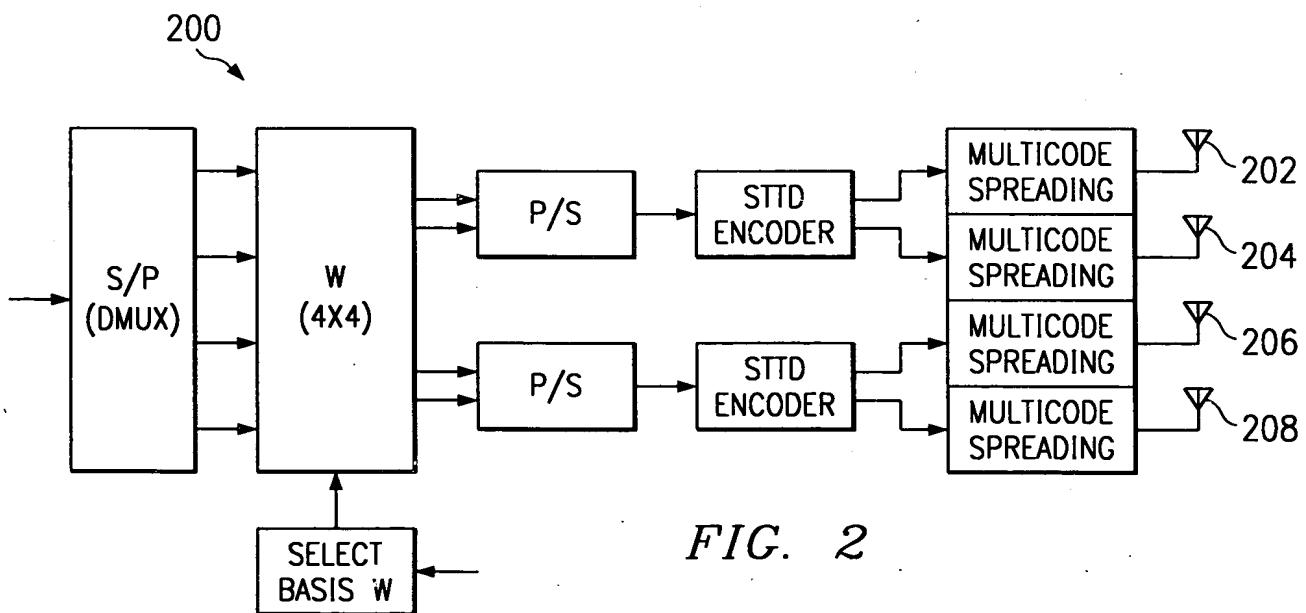
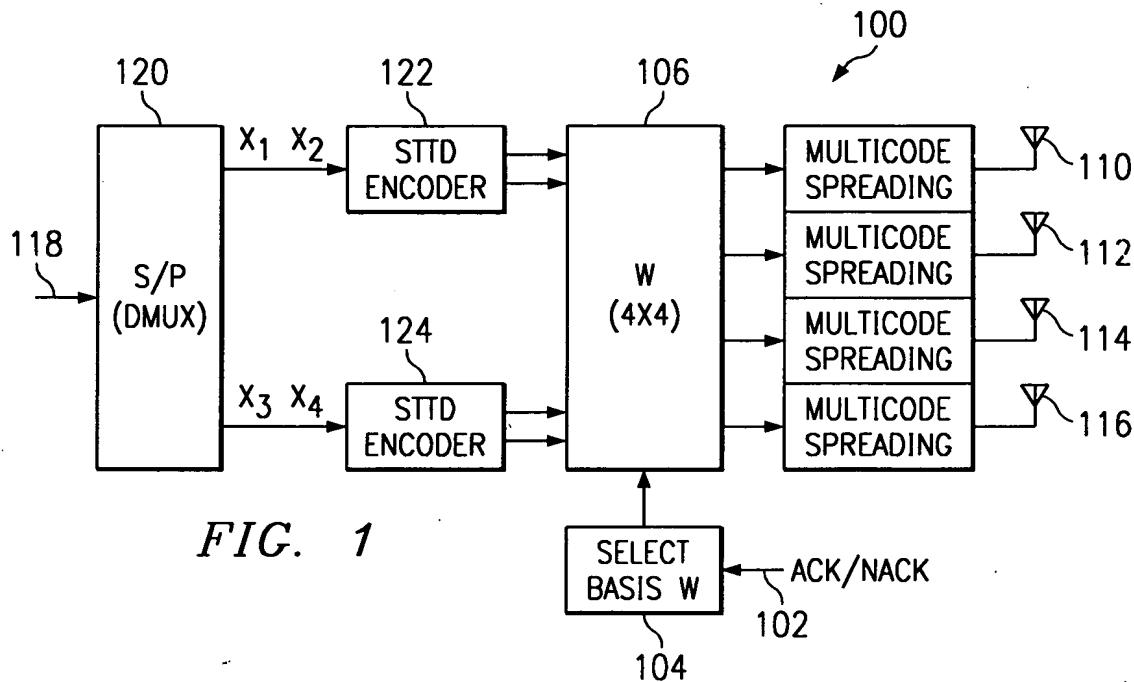
Transmitted herewith for filing are four sheets of formal drawings for the above identified application. Charge any necessary fees to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,

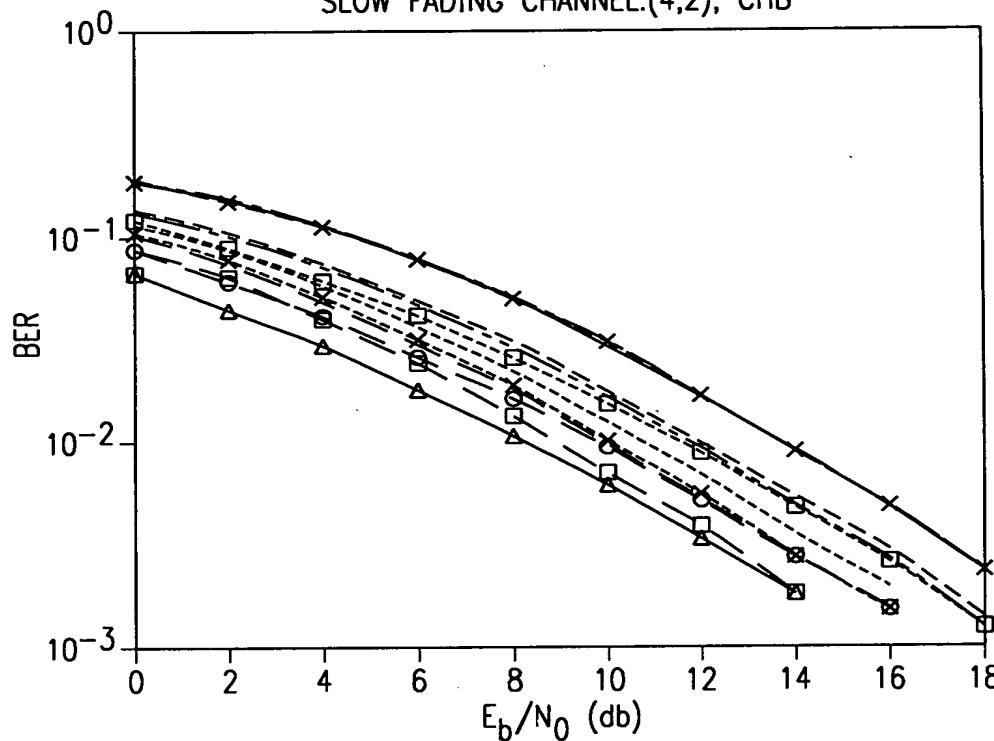
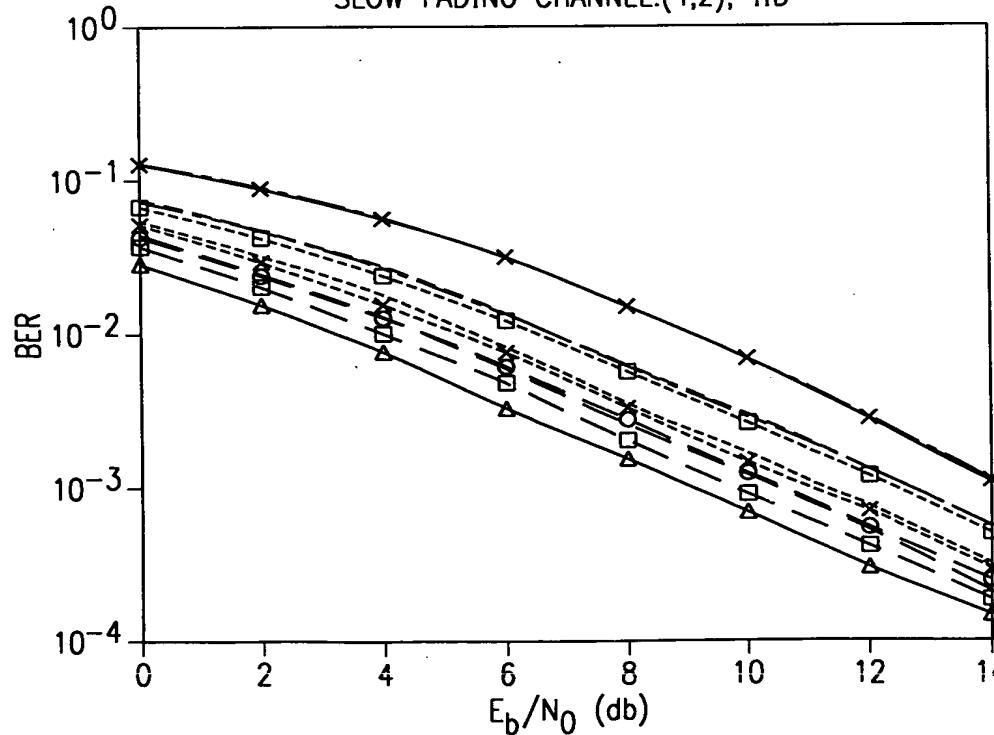
Pedro P. Hernandez  
Attorney for Applicants  
Reg. No. 35,190

Texas Instruments Incorporated  
P.O. Box 655474, MS 3999  
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(972) 917-5455

A handwritten signature in black ink, appearing to read "Pedro P. Hernandez".



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CHASE COMBINING FOR DSTTD 8PSK IN  
SLOW FADING CHANNEL:(4,2), CHBCHASE COMBINING FOR DSTTD 8PSK IN  
SLOW FADING CHANNEL:(4,2), IID

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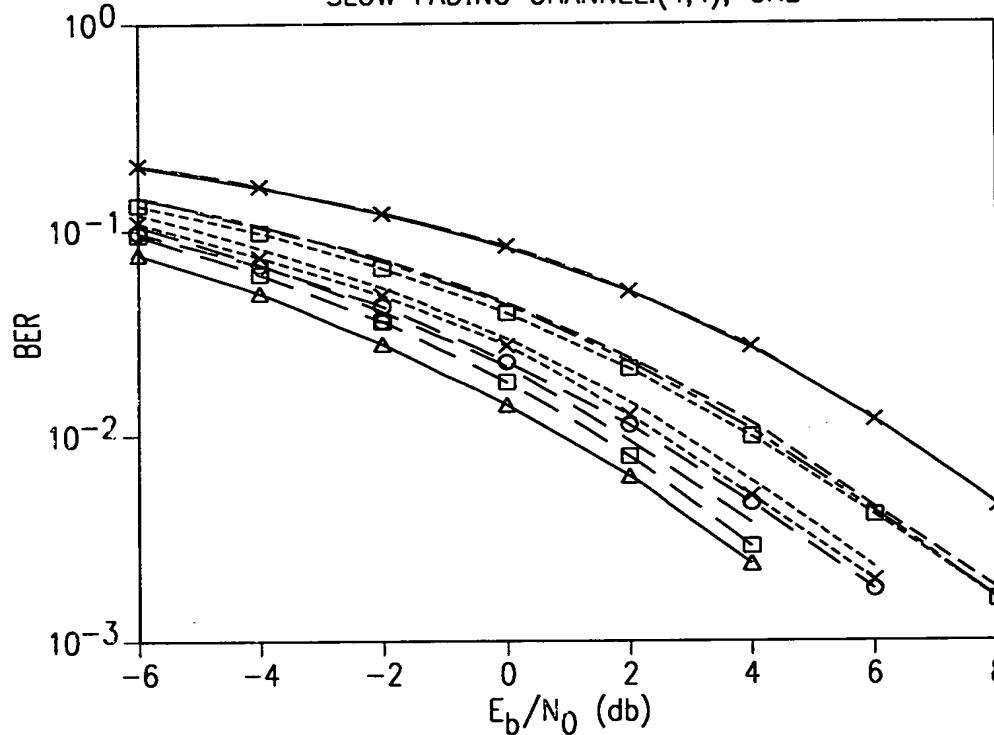
CHASE COMBINING FOR DSTTD 8PSK IN  
SLOW FADING CHANNEL:(4,4), CHB

FIG. 5

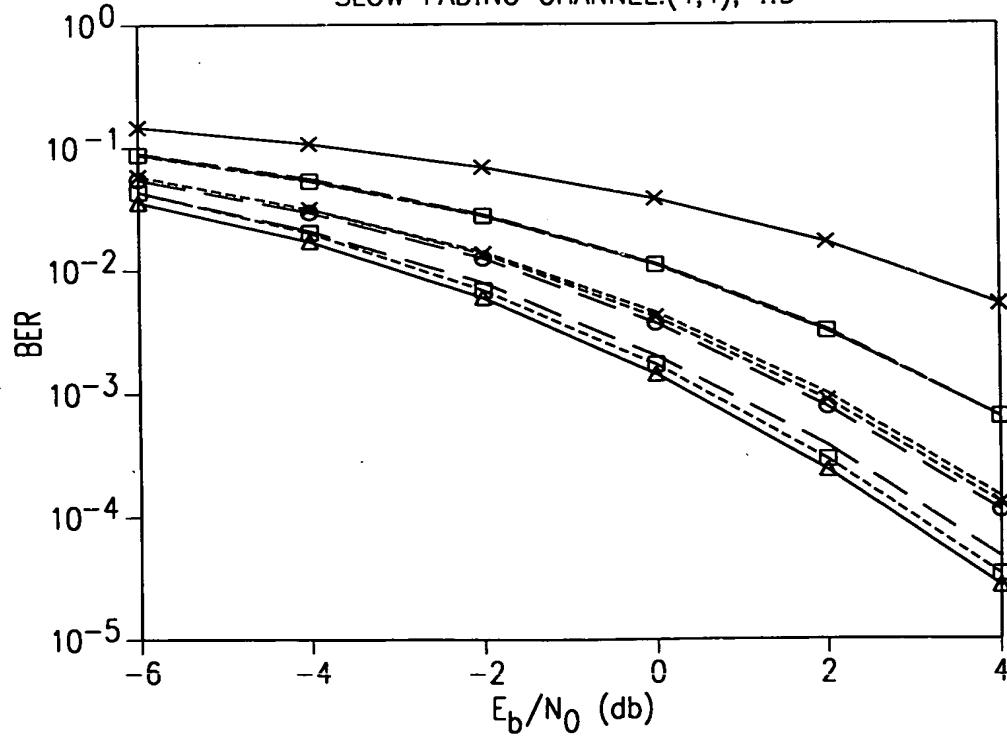
CHASE COMBINING FOR DSTTD 8PSK IN  
SLOW FADING CHANNEL:(4,4), IID

FIG. 6

RTX Node	Combining Method	Symbol
RTX 1	NO V	-
RTX 2	NO V	--
RTX 3	NO V	---
RTX 4	NO V	—
RTX 1	VROT	-
RTX 2	VROT	--
RTX 3	VROT	---
RTX 4	VROT	—
RTX 1	VSHUF	-x-
RTX 2	VSHUF	-□-
RTX 3	VSHUF	-○-
RTX 4	VSHUF	-△-

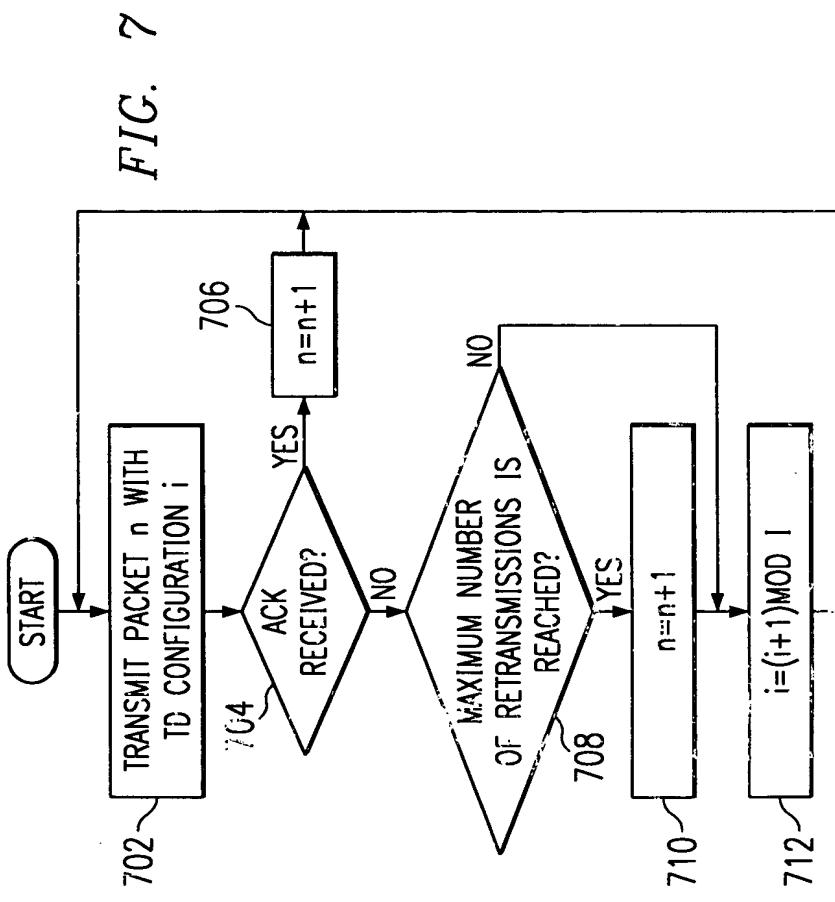


FIG. 8

